

Serial No. 09/919,727

Attorney Docket: 74577/044

IN THE UNITED STATES PATENT AND TRADEMARK OFFICEGroup Art Unit: 2142
Examiner Beatriz Prieto

Application of :	Steven ASHCROFT, et al.
Serial No. :	09/919,727
Filing Date :	July 31, 2001
Entitled :	SYSTEM FOR DELIVERING DYNAMIC CONTENT

DRAFT AMENDMENT (WITHOUT REMARKS) AND PROPOSED AGENDA**IN THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A system for presenting a requested web page selected from a plurality of web pages, comprising:

a plurality of handlers, each of said plurality of handlers performing at least one processing task associated with one of said plurality of web pages;

at least one layered content bean being invoked by any of said plurality of handlers for retrieving content required for the one of said plurality of web pages associated with said any of said plurality of handlers, wherein the at least one layered content bean is comprised of at least one lower layer content bean and a higher layer

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content bean, wherein the higher layer content bean is capable of implementing business logic;

at least one model bean for storing said content, wherein the at least one model bean is constructed by a web server;

a plurality of views, each of said plurality of views associated with one of said plurality of web pages for receiving said content from said at least one model bean and for presenting the one of said plurality of web page;

at least one view bean being invoked by any of said plurality of views for rendering the one of said plurality of web pages; and

a controller for receiving a request for said requested web page;

wherein when said controller receives said request, said controller invokes the one of said plurality of handlers associated with said requested web page for processing content required for said requested web page and said controller invokes the one of said plurality of views for presenting said requested web page, and wherein the plurality of handlers, at least one layered content bean, at least one model bean, plurality of views, at least one view bean, and the controller, are executed on a the web server.

2. (original) The system of claim 1, wherein said request for said requested web page includes at least one parameter and said at least one processing task preformed by at least one of said plurality of handlers includes validating said at least one parameter.

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3. (original) The system of claim 1, wherein said request for said requested web page is subsequent to a navigation and said at least one processing task performed by at least one of said plurality of handlers includes validating said navigation.
4. (original) The system of claim 1, wherein at least one of said plurality of handlers directs said controller to cause a different web page to be presented.
5. (original) The system of claim 1, wherein at least one of said plurality of handlers directs said controller to invoke a different one of said plurality of views for presenting said requested web page.
6. (original) The system of claim 1, wherein at least one of said handlers renders the requested web page.
7. (original) The system of claim 6, wherein said controller presents the requested of web page.
8. (original) The system of claim 1, wherein each of said plurality of handlers is multithreaded.
9. (original) The system of claim 1, wherein said at least one content bean receives content from at least one external system.
10. (original) The system of claim 9, wherein said system has a first interface and said external system has a second interface and said at least one content bean translates between said first interface and said second interface.

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11. (original) The system of claim 1, further comprising a plurality of content beans each having a function and wherein said functions of said plurality of content beans are layered.
12. (original) The system of claim 1, further comprising a configuration file, said configuration file including a list of data objects for at least one of said plurality of web pages, and wherein said at least one content bean receives said list of data objects and retrieves said data objects in said list for inclusion in said at least one of said plurality of web pages.
13. (original) The system of claim 12, wherein said at least one of said plurality of web pages is modified by modifying said list of data objects.
14. (original) The system of claim 12, wherein said configuration file includes authorization requirements for said requested web page, and wherein said handler verifies that said request for said requested web page satisfies said authorization requirements.
15. (original) The system of claim 1, wherein each of said plurality of views is multithreaded.
16. (original) The system of claim 1, wherein each of said plurality of views is formed using JSP technology.
17. (original) The system of claim 1, wherein said at least one view bean formats the one of said plurality of web pages into HTML.
18. (original) The system of claim 1, further comprising a language file storing text in a plurality of languages, said text being associated with a text label, and wherein at least

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one of said plurality of web pages includes said text label and said at least one view bean replaces said text label with said associated text in a selected one of said plurality of languages.

19. (Currently Amended) A method for presenting a requested web page selected from a plurality of web pages, comprising the steps of:

performing at least one processing task associated with said requested web page;

invoking at least one layered content bean for retrieving content required for said requested web page, wherein the at least one layered content bean is comprised of at least one lower layer content bean and a higher layer content bean, wherein the higher layer content bean is capable of implementing business logic;

storing said content required for said requested web page in at least one model bean, wherein the at least one model bean is constructed by a web server,

receiving said content from said at least one model bean;

invoking at least one view bean for rendering said requested web page; and

presenting said requested web page including said content, wherein the at least one layered content bean, at least one model bean, and at least one view bean are executed on a the web server.

20. (original) The method of claim 19, wherein said request for said requested web page includes at least one parameter and the step of performing at least one processing task includes the step of:

validating said at least one parameter.

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21. (original) The method of claim 19, wherein said request for said requested web page is subsequent to a navigation and the step of performing at least one processing task includes the step of:

validating said navigation.

22. (original) The method of claim 19, further comprising the step of:

directing a different web page to be presented.

23. (original) The method of claim 19, wherein said at least one content bean receives content from at least one content system.

24. (original) The method of claim 23, wherein said at least one content bean executes on a system having a first interface and said content system has a second interface and wherein the step of invoking at least one content bean for retrieving content includes the step of:

translating between said first interface and said second interface.

25. (original) The method of claim 19, further comprising a plurality of content beans each having a function and wherein said functions of said plurality of content beans are layered.

26. (original) The method of claim 19, further comprising a configuration file, said configuration file including a list of data objects for said requested web page, and wherein the step of invoking at least one content bean for retrieving content required includes the steps of:

receiving said list of data objects; and

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retrieving said data objects in said list of inclusion in said requested web page.

27. (original) The method of claim 26, further comprising the step of:

modifying said requested web page by modifying said list of data objects.

28. (original) The method of claim 26, wherein said configuration file includes authorization requirements for said requested web page, said method further comprising the step of:

verifying that said request for said requested web page satisfies said authorization requirements.

29 (original) The method of claim 19, wherein the step of invoking at least one view bean for rendering said requested web page includes the step of:

formatting said requested web page into HTML.

30. (original) The method of claim 19, further comprising a language file storing text in a plurality of languages, said text being associated with a text label, wherein said requested web page includes said text label, and wherein the step of invoking at least one view bean for rendering said requested web page includes the step of:

replacing said text label with said associated text in a selected one of said plurality of languages.

31. (Currently Amended) A system for presenting a requested web page selected from a plurality of web pages, comprising:

a plurality of handlers, one of said plurality of handlers performing at least one processing task associated with said requested web page;

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at least one layered content bean being invoked by said one of said plurality of handlers for retrieving content required for said requested web page, wherein the at least one layered content bean is comprised of at least one lower layer content bean and a higher layer content bean, wherein the higher layer content bean is capable of implementing business logic;

at least one model bean for storing said content, wherein the at least one model bean is constructed by a web server;

a plurality of views, one of said plurality of views associated with said requested web page for receiving said content from said at least one model bean and for presenting said requested web page;

at least one view bean being invoked by said one of said plurality of views for rendering said requested web page; and

a controller for receiving a request for said requested web page,

wherein when said controller receives said request, said controller invokes said one of said plurality of handlers and said one of said plurality of views, and wherein the plurality of handlers, at least one layered content bean, at least one model bean, plurality of views, at least one view bean, and the controller are executed on a the web server.

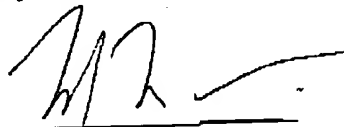
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PROPOSED AGENDA

- I. Brief explanation of the invention. In particular, discussing the purpose and structure of the "Model Bean" as described in U.S. Published Patent Application No. 2002/0184343 at ¶¶ 61-62.
- II. Discuss Examiner's rejection of Claim 1-17, 19-29 and 31 under 35 U.S.C. §103(a) as being unpatentable over Wilson (U.S. Patent No. 6,697,815) in view of Ryan et. al. (US Patent Application. No. 2002/0130899). The Applicant will be focusing on the Examiner's conclusion that Wilson teaches or suggests populating or storing obtained content in a UI model bean, and the Examiner's citation of Wilson at 206, Col 6, lines 48-49; Cols. 7-8, lines 62-35; and Col. 4, lines 13-15.
- III. Independent Claims 1, 19, and 31 have been amended to clarify that the model bean is constructed by a web server.

Respectfully submitted,

PROSKAUER ROSE LLP
Attorney for Applicant(s)By 
Nolan M. Goldberg
Reg. No. 54,126

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PROSKAUER ROSE LLP
1585 Broadway
New York, NY 10036-8299
Telephone: (212) 969-3000